## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/15010

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> G01N33/543, G01N33/553, G01N37/00				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) Int.Cl <sup>7</sup> G01N33/543, G01N33/553, G01N37/00				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Jitsuyo Shinan Koho 1922–1996 Toroku Jitsuyo Shinan Koho 1994–2003				
Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
X	JP 2001-281246 A (Nisshinbo 10 October, 2001 (10.10.01), & EP 1130121 A & US	Industries, Inc.), 3 2002-0018996 A1	1-7	
х	JP 2002-250726 A (Toray Industries, Inc.), 06 September, 2002 (06.09.02), (Family: none)		1-7	
A	JP 2001-136968 A (Mitsubishi 22 May, 2001 (22.05.01), (Family: none)	i Rayon Co., Ltd.),	1-7	
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Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family		
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"O" document referring to an oral disclosure, use, exhibition or other means				
Date of the a	actual completion of the international search ebruary, 2004 (23.02.04)		Date of mailing of the international search report 16 March, 2004 (16.03.04)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		